

Endpoint Programmer



Computer:

A computer with a Windows 2000 or newer operating systems is required. A USB or serial port is required.

Cable:

A cable with a D9 connector to connect to the programmer and a USB or D9 connector to interface to the computer is required.

Carrying Case:

A soft side carrying case is used to hold the computer, endpoint programmer, chargers and cables. The carrying case ships with the product.

Battery Life:

Battery life will be 10 hours or greater for a single daily use. The unit will have rechargeable batteries. The batteries will be able to be recharged in 5 hours over 0 to 40°C.

Operating Temperature:

All programmer functional and performance requirements shall be met when operating in the temperature range -20°C to +60°C. DUT shall meet electrical requirements. DUT shall exhibit no permanent deformation which would include, but not be limited to, cracking, binding, permanent setting of gaskets and or loss of seal using MIL-STD-810F, Methods 501.4/502.4, Procedure II.

General Overview. The nVanta endpoint programmer is a two-way AMR device that is capable of data exchange between an end point device and the programmer. The unit will be capable of programming and interrogating nVanta water endpoints.

The endpoint programmer is a bud box type package. This package must be connected to a laptop computer provided by the customer. The computer and endpoint programmer are required to perform the overall function.

Installation Process. The endpoint can be programmed in the factory or in the field. If the endpoint is factory programmed, the Endpoint Programmer will simply be used to verify that the endpoint is communicating and reporting the correct register reading.

If the endpoint is field programmed, the Endpoint Programmer will program all of the endpoint parameters, download any needed encoders and verify that the endpoint is communicating and reporting the correct register reading.



Programmer Controls and Interfaces

- On/off switch - Turns the unit on or off
- Reset switch - Resets the programmer
- D9 connector - Interface connector
- Green LED - On/off indicator
- Red LED - Low battery indicator
- Charger plug - Battery charger input
- DC Input - External DC supply for mobile

Programming/Communication

- Device ID
- Endpoint frequencies
(Rx and Tx - 2 way)
- Password
- Data Mask
- PN Sequence

Verification Read

(Not intended to be a contingency reader)

- Consumption
- Tamper
- Endpoint ID
- Event Tag

Elster AMCO Water, Inc.
PO Box 1852
Ocala, FL 34478-1852
United States

T +1 800 874 0890
F +1 352 368 1950

watermeters@us.elster.com
www.elster.com

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